

Scaled data based on original data using

LM-41-14 Approved Method for Photometric Testing Of Indoor Fluorescent Luminaires

Test Report Prepared for

Cooper Lighting Solutions

(formerly Eaton)

Brand: io LED

Report Number: P224638

Luminaire Tested: **LSR2B20FL408027D010 2LBDLC*MMS**

Issue Date: 3/3/2020

Test Information

Test Method: LM-41-14
Report Number: P224638
TEST IS SCALED FROM IESNA LM-79-08 TEST DATA (P14836)
Test Lab: INNOVATION CENTER (G1)
Issue Date: 3/3/2020
Manufacturer: COOPER LIGHTING SOLUTIONS (FORMERLY EATON)
Product Line: io LED
Catalog Number: LSR2B20FL408027D010 2LBDLC*MMS
Description: 2000 Lumen, 2inch Portfolio LED Cylinder
FLOOD OPTIC
LENSED CAST ROUND TRIM WITH MATTE METALLIC SILVER
Light Source: -
Ballast/Driver: -

Summary

Lumens per Lamp: N/A
Luminaire Lumens: 1688.6 lumens
Efficiency: N/A
Efficacy: 80.8 lumens/watt
Spacing Criteria (0/90/45): 0.61 / 0.61 / 0.59
Luminous Opening: Rectangular (W 0.17' x L: 0.17' x H: 0')
CIE Type: Direct

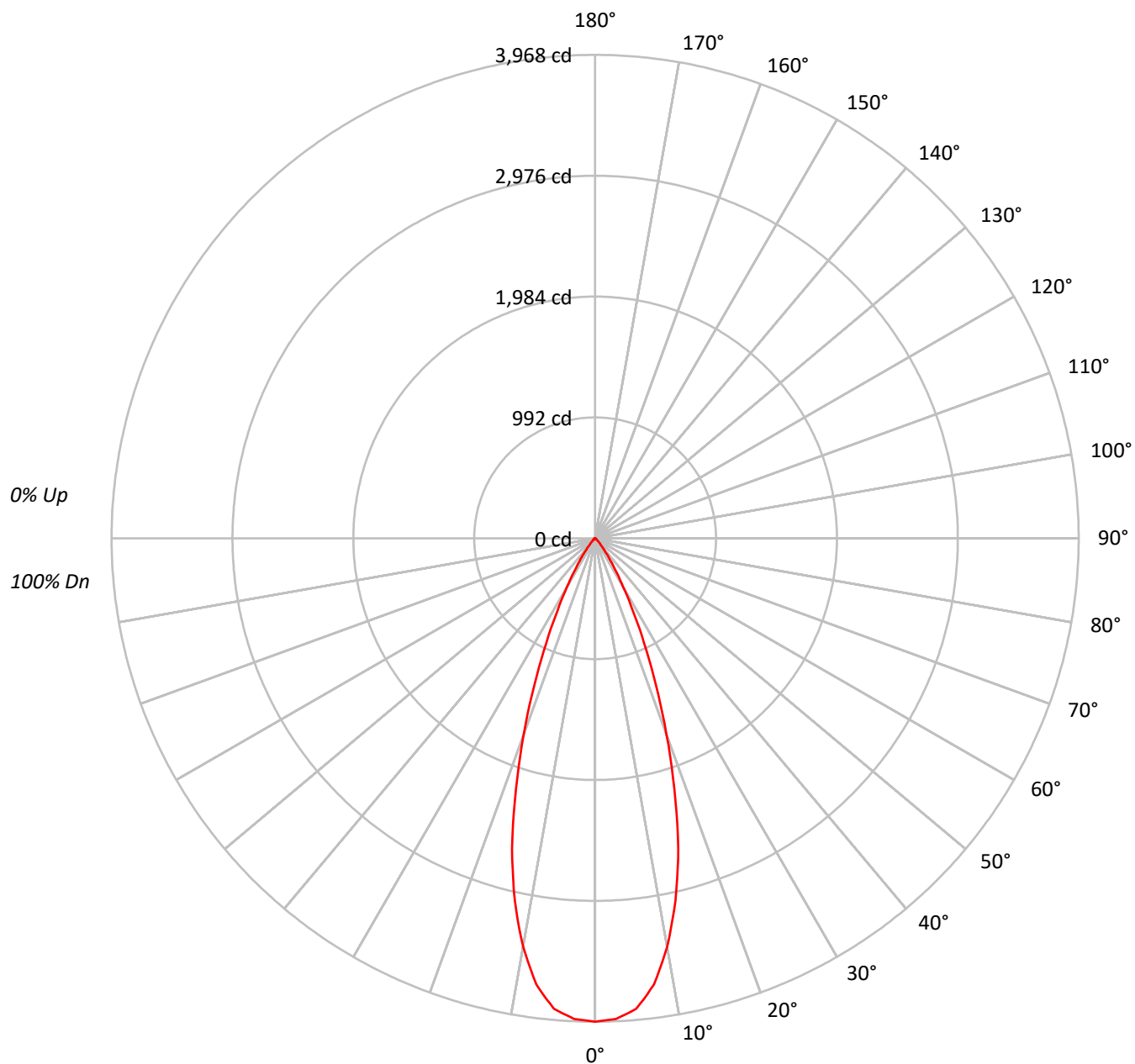
Input Watts (W): 20.9
Input Voltage (V): NR
Input Current (Ain): NR
Voltage Rise (V): NR
Power Factor: NR
Total Harmonic Distortion (THDi): NR
Frequency (hertz): 60
Stabilization Time: NR
Operation Time: NR
Ambient Temperature (°C): NR
Test Distance: 25 FT



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Luminous Intensity Polar Plot





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COEFFICIENT OF UTILIZATION - ZONAL CAVITY METHOD:

RF	20					20					20					20					20
RC	80					70					50					30					10
RW	70	50	30	10		70	50	30	10		50	30	10			50	30	10			0
RCR																					
0	119	119	119	119		116	116	116	116		111	111	111			106	106	106			102
1	114	112	110	108		112	110	108	106		106	104	103			102	101	100			99
2	110	106	102	100		108	104	101	99		101	99	96			98	96	94			95
3	106	100	96	93		104	99	95	92		97	93	91			94	92	89			92
4	102	95	91	87		100	94	90	87		92	89	86			90	87	85			89
5	98	91	86	83		96	90	86	82		88	85	82			87	83	81			85
6	94	87	82	78		93	86	82	78		85	81	78			83	80	77			82
7	91	83	78	75		89	82	78	75		81	77	74			80	77	74			79
8	87	80	75	71		86	79	75	71		78	74	71			77	73	71			76
9	84	76	72	68		83	76	71	68		75	71	68			74	71	68			74
10	81	74	69	66		81	73	69	66		72	68	65			72	68	65			71

AVERAGE LUMINANCE (cd/sqm):

	0°
0°	1537066
5°	1507555
10°	1339141
15°	1056822
20°	704871
25°	405720
30°	205520
35°	96322
40°	39440
45°	17803
50°	9160
55°	5875
60°	3331
65°	0
70°	0
75°	0
80°	0
85°	0



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ZONAL LUMENS:

Zone	Lumens	% Fixture
0°-10°	354.9	21.0
10°-20°	712.1	42.2
20°-30°	446.0	26.4
30°-40°	138.0	8.2
40°-50°	28.5	1.7
50°-60°	7.9	0.5
60°-70°	1.1	0.1
70°-80°	0.0	0.0
80°-90°	0.0	0.0
90°-100°	0.0	0.0
100°-110°	0.0	0.0
110°-120°	0.0	0.0
120°-130°	0.0	0.0
130°-140°	0.0	0.0
140°-150°	0.0	0.0
150°-160°	0.0	0.0
160°-170°	0.0	0.0
170°-180°	0.0	0.0
0°-30°	1513.1	89.6
0°-40°	1651.1	97.8
0°-60°	1687.5	99.9
0°-90°	1688.6	100.0
90°-120°	0.0	0.0
90°-150°	0.0	0.0
90°-180°	0.0	0.0
0°-180°	1688.6	100.0

CANDELA DISTRIBUTION:

	0°	Flux
0°	3968	
5°	3877	355
15°	2635	712
25°	949	446
35°	204	138
45°	32	29
55°	9	8
65°	0	1
75°	0	0
85°	0	0
90°	0	



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CANDELA DISTRIBUTION (FULL):

0°	
0°	3968.2
2.5°	3948.7
5°	3877.2
7.5°	3695.1
10°	3404.7
12.5°	3047.1
15°	2635.4
17.5°	2160.7
20°	1710.0
22.5°	1300.3
25°	949.3
27.5°	667.5
30°	459.5
32.5°	307.7
35°	203.7
37.5°	127.9
40°	78.0
42.5°	49.8
45°	32.5
47.5°	21.7
50°	15.2
52.5°	10.8
55°	8.7
57.5°	6.5
60°	4.3
62.5°	2.2
65°	0.0
67.5°	0.0
70°	0.0
72.5°	0.0
75°	0.0
77.5°	0.0
80°	0.0
82.5°	0.0
85°	0.0
87.5°	0.0
90°	0.0



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— 0°-180°







(END OF REPORT)